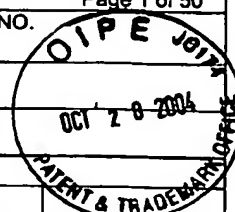


FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1975.0010005/TJSAPPLICATION NO.  
10/633,697FIRST NAMED INVENTOR  
Umaña *et al.*FILING DATE  
August 5, 2003ART UNIT  
1636

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
JZ	AA1	4,215,051	07/29/1980	Schroeder <i>et al.</i>			08/29/1979
	AB1	4,946,778	08/07/1990	Ladner <i>et al.</i>			01/19/1989
	AC1	5,047,335	09/10/1991	Paulson <i>et al.</i>			12/21/1988
	AD1	5,547,933	08/20/1996	Lin			06/07/1995
	AE1	5,736,137	04/07/1998	Anderson <i>et al.</i>			11/03/1993
	AF1	5,776,456	07/07/1998	Anderson <i>et al.</i>			06/07/1995
	AG1	5,843,439	12/01/1998	Anderson <i>et al.</i>			06/07/1995
	AH1	5,952,203	09/14/1999	Withers <i>et al.</i>			04/11/1997
	AI1	5,958,403	09/28/1999	Strom <i>et al.</i>			07/11/1994
	AJ1	2003/0175884 A1	09/18/2003	Umaña <i>et al.</i>			08/05/2002
JZ	AK1	2004/0072290 A1	04/15/2004	Umaña <i>et al.</i>			05/14/2003

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
OL	AL1	WO 94/11026	05/26/1994	WIPO PCT			Yes
							No
OL	AM1	WO 95/24494	09/14/1995	WIPO PCT			Yes
							No
OL	AN1	EP 0 669 836 B1	07/03/1996	Europe EPO			Yes
							No
OL	AO1	EP 0 752 248 A1	01/08/1997	Europe EPO			Yes
							No
OL	AP1	WO 97/30087	08/21/1997	WIPO PCT			Yes
							No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

OL	AR	1	Amstutz, H., <i>et al.</i> , "Production and Characterization of a Mouse/Human Chimeric Antibody Directed Against Human Neuroblastoma," <i>Int. J. Cancer</i> 53:147-152, Wiley-Liss, Inc. (1993)
OL	AS	1	Anderson, W.F., "Human gene therapy," <i>Nature</i> 392:25-30, Nature Pub. Co. (1998)
OL	AT	1	Arathoon, W.R., and Birch, J.R., "Large-Scale Cell Culture in Biotechnology," <i>Science</i> 232:1390-1395, American Association for the Advancement of Science (1986)

EXAMINER

David [Signature]

DATE CONSIDERED

3/27/06

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes X No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

02	AR	2	Bailey, J.E., "Toward a Science of Metabolic Engineering," <i>Science</i> 252:1668-1675, American Association for the Advancement of Science (1991)				
01	AS	2	Bailey, J.E., <i>et al.</i> , "Engineering Glycosylation in Animal Cells," in <i>New Developments and New Applications in Animal Cell Technology</i> , Merten, O.W., <i>et al.</i> , eds., Kluwer Academic Publishers, The Netherlands, pp.5-23 (1998)				
02	AT	2	Bailey, J.E., <i>et al.</i> , "Metabolic Engineering of N-Linked Glycoform Synthesis Systems in Chinese Hamster Ovary (CHO) Cells," in <i>Animal Cell Technology</i> , Carrondo, M.J.T., <i>et al.</i> , eds., Kluwer Academic Publishers, The Netherlands, pp.489-494 (1997)				

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*David S. Sny*

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	AN						Yes No
	AO						Yes No
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>22</i>	AR	<u>3</u>	Bibila, T.A., and Flickinger, M.C., "A Model of Interorganelle Monoclonal Antibody Transport and Secretion in Mouse Hybridoma Cells," <i>Biotechnol. Bioeng.</i> 38:767-780, John Wiley & Sons, Inc. (1991)
<i>21</i>	AS	<u>3</u>	Bibila, T.A., and Robinson, D.K., "In Pursuit of the Optimal Fed-Batch Process for Monoclonal Antibody Production," <i>Biotechnol. Prog.</i> 11:1-13, American Chemical Society and American Institute of Chemical Engineers (1995)
<i>07</i>	AT	<u>3</u>	Bitter, G.A., "Heterologous Gene Expression in Yeast," <i>Meth. Enzymol.</i> 152:673-684, Academic Press, Inc. (1987)

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*David S. [Signature]*

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02	AR	4	Bitter, G.A., <i>et al.</i> , "Expression and Secretion Vectors for Yeast," <i>Meth. Enzymol.</i> 153:516-544, Academic Press, Inc. (1987)
07	AS	4	Bretscher, M.S., and Munro, S., "Cholesterol and the Golgi Apparatus," <i>Science</i> 261:1280-1281, American Association for the Advancement of Science (1993)
07	AT	4	Briles, E.B., <i>et al.</i> , "Isolation of Wheat Germ Agglutinin-resistant Clones of Chinese Hamster Ovary Cells Deficient in Membrane Sialic Acid and Galactose," <i>J. Biol. Chem.</i> 252:1107-1116, American Society for Biochemistry and Molecular Biology, Inc. (1977)

EXAMINER

*David Lopez*

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	AN						Yes No
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01	AR	5	Brisson, N., <i>et al.</i> , "Expression of a bacterial gene in plants by using a viral vector," <i>Nature</i> 310:511-514, Nature Pub. Co. (1984)
01	AS	5	Brockhausen, I., <i>et al.</i> , "Control of glycoprotein synthesis. Characterization of (1 4)-N-acetyl-β-D-glucosaminyltransferases acting on the α-D-(1 3)- and α-D-(1 6)-linked arms of N-linked oligosaccharides," <i>Carbohydrate Res.</i> 236:281-299, Elsevier Science Publishers B.V. (1992)
02	AT	5	Brogliè, R., <i>et al.</i> , "Light-Regulated Expression of a Pea Ribulose-1,5-Biphosphate Carboxylase Small Subunit Gene in Transformed Plant Cells," <i>Science</i> 224:838-843, American Association for the Advancement of Science (1984)

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*David Mayo*

DATE CONSIDERED

3/27/06

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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>AR</i>	AR	6	Campbell, C., and Stanley, P., "A Dominant Mutation to Ricin Resistance in Chinese Hamster Ovary Cells Induces UDP-GlcNAc:Glycopeptide $\beta$ -4-N-Acetylglucosaminyltransferase III Activity," <i>J. Biol. Chem.</i> 261:13370-13378, American Society for Biochemistry and Molecular Biology, Inc. (1984)
<i>AS</i>	AS	6	Caruthers, M.H., <i>et al.</i> , "New chemical methods for synthesizing polynucleotides," <i>Nuc. Acids Res. Symp. Series</i> 7:215-223, IRL Press Limited (1980)
<i>AT</i>	AT	6	Chow, F., <i>et al.</i> , "Synthesis of oligodeoxyribonucleotides on silica del support," <i>Nuc. Acids Res.</i> 9:2807-2817, IRL Press Limited (1981)

EXAMINER

*David S. S. S.*

DATE CONSIDERED

*3/27/06*

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>N</i>	AR	<i>Z</i>	Cole, N.B., <i>et al.</i> , "Diffusional Mobility of Golgi Proteins in Membranes of Living Cells," <i>Science</i> 273:797-801, American Association for the Advancement of Science (1996)
<i>ST</i>	AS	<i>Z</i>	Cole, S.P.C., <i>et al.</i> , "The EBV-Hybridoma Technique and its Application to Human Lung Cancer," in <i>Monoclonal Antibodies and Cancer Therapy</i> , Reisfeld, R.A., and Sell, S., eds., Alan R. Liss, Inc., New York, NY, pp.77-96 (1985)
<i>AC</i>	AT	<i>Z</i>	Coruzzi, G., <i>et al.</i> , "Tissue-specific and light-regulated expression of a pea nuclear gene encoding the small subunit of ribulose-1,5-biphosphate carboxylase," <i>EMBO J.</i> 3:1671-1679, IRL Press Limited (1984)

EXAMINER

*Daniel Suger*

DATE CONSIDERED

*3/21/06*

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	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

07	AR	8	Cote, R.J., <i>et al.</i> , "Generation of human monoclonal antibodies reactive with cellular antigens," <i>Proc. Natl. Acad. Sci.</i> 80:2026-2030, The National Academy of Sciences (1983)
07	AS	8	Crea, R., and Horn, T., "Synthesis of oligonucleotides on cellulose by a phosphotriester method," <i>Nuc. Acids Res.</i> 8:2331-2348, IRL Press Limited (1980)
07	AT	8	Creighton, T.E., <i>Proteins: Structures and Molecular Principles</i> , W.H. Freeman and Co., New York, NY, pp.34-60 (1983)

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*David [Signature]*

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

07	AR	9	Cumming, D.A., "Glycosylation of recombinant protein therapeutics: control and functional implications," <i>Glycobiology</i> 1:115-130, Oxford University Press (1991)
07	AS	9	Dörr, U., <i>et al.</i> , "First Clinical Results with the Chimeric Antibody chCE7 in Neuroblastoma. Targeting Features and Biodistribution Data," <i>Eur. J. Nucl. Med.</i> 20:858, Springer International (1993)
07	AT	9	Dennis, J.W., <i>et al.</i> , "β1-6 Branching of Asn-Linked Oligosaccharides Is Directly Associated with Metastasis," <i>Science</i> 236:582-585, American Association for the Advancement of Science (1987)

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*David [Signature]*

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3/27/04

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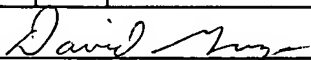
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>10</u>	Do, K.-Y., "Modification of Glycoproteins by N-Acetylglucosaminyltransferase V Is Greatly Influenced by Accessibility of the Enzyme to Oligosaccharide Acceptors," <i>J. Biol. Chem.</i> 269:23456-23464, American Society for Biochemistry and Molecular Biology (1994)
	AS	<u>10</u>	Dunphy, W.G., and Rothman, J.E., "Compartmentation of Asparagine-linked Oligosaccharide Processing in the Golgi Apparatus," <i>J. Cell. Bio.</i> 97:270-275, Rockefeller University Press (1983)
	AT	<u>10</u>	Dunphy, W.G., <i>et al.</i> , "Attachment of Terminal N-Acetylglucosamine to Asparagine-Linked Oligosaccharide Occurs in Central Cisternae of the Golgi Stack," <i>Cell</i> 40:463-472, MIT (1985)

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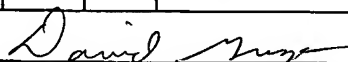
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	AN						Yes No
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	AP						Yes No

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	AR	<u>11</u>	Dunphy, W.G., <i>et al.</i> , "Early and late functions associated with the Golgi apparatus reside in distinct compartments," <i>Proc. Natl. Acad. Sci.</i> 78:7453-7457, The National Academy of Sciences (1981)
	AS	<u>11</u>	Dwek, R.A., "Glycobiology: More Functions for Oligosaccharides," <i>Science</i> 269:1234-1235, American Association for the Advancement of Science (1995)
	AT	<u>11</u>	Easton, E.W., <i>et al.</i> , "Enzymatic Amplification Involving Glycosyltransferases Forms the Basis for the Increased Size of Asparagine-linked Glycans at the Surface of NIH 3T3 Cells Expressing the N-ras Proto-oncogene," <i>J. Biol. Chem.</i> 266:21674-21680, American Society for Biochemistry and Molecular Biology (1991)

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	AP						Yes No

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<i>M</i>	AR	<u>12</u>	Elises, M.J., and Goldstein, I.J., "Ehrlich Ascites Tumor Cell UDP-Gal:N-Acetyl-D-glucosamine $\beta$ (1,4)-Galactosyltransferase," <i>J. Biol. Chem.</i> 263:3354-3362, American Society for Biochemistry and Molecular Biology, Inc. (1988)
<i>J</i>	AS	<u>12</u>	Elion, E.A., "Enzymatic Manipulation of DNA and RNA," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F., <i>et al.</i> , eds., John Wiley and Sons, New York, NY, pp.3.17.1-3.17.10 (1998)
<i>W</i>	AT	<u>12</u>	Fanger, M.W., <i>et al.</i> , "Cytotoxicity mediated by human Fc receptors for IgG," <i>Immunol. Today</i> 10:92-99 (1989)

EXAMINER

*David J. Suss*

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	AP						Yes No

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<i>JI</i>	AR	<u>13</u>	Field, M., <i>et al.</i> , "The Use of High-Performance Anion-Exchange Chromatography and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry to Monitor and Identify Oligosaccharide Degradation," <i>Anal. Biochem.</i> 239:92-98, Academic Press, Inc. (1996)
<i>JI</i>	AS	<u>13</u>	Fouser, L.A., <i>et al.</i> , "High Level Expression of a Chimeric Anti-Ganglioside GD2 Antibody: Genomic Kappa Sequences Improve Expression in COS and CHO Cells," <i>Biotech.</i> 10:1121-1127, Nature Pub. Co. (1992)
<i>JI</i>	AT	<u>13</u>	Frost, J.D., <i>et al.</i> , "A Phase I/IB Trial of Murine Monoclonal Anti-GD2 Antibody 14.G2a plus Interleukin-2 in Children with Refractory Neuroblastoma," <i>Cancer</i> 80:317-333, American Cancer Society (1997)

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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>14</u>	Goldberg, D.E., and Kornfeld, S., "Evidence for Extensive Subcellular Organization of Asparagine-linked Oligosaccharide Processing and Lysosomal Enzyme Phosphorylation," <i>J. Biol. Chem.</i> 258:3159-3165, American Society for Biochemistry and Molecular Biology, Inc. (1983)
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	AT	<u>14</u>	Gossen, M., <i>et al.</i> , "Control of gene activity in higher eukaryotic cells by prokaryotic regulatory elements," <i>TIBTECH</i> 12:58-62, Elsevier Science Ltd. (1994)

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	AR	<u>15</u>	Graham, R.A., <i>et al.</i> , "The polymorphic epithelial mucin: potential as an immunogen for a cancer vaccine," <i>Cancer Immunol. Immunother.</i> 42:71-80, Springer-Verlag (1996)
	AS	<u>15</u>	Grierson, D., and Covey, S.N., <i>Plant Molecular Biology</i> , 2nd edition, Blackie Publishing, London, GB, Chapters 7-9 (1988)
	AT	<u>15</u>	Griffiths, G., <i>et al.</i> , "The Dynamic Nature of the Golgi Complex," <i>J. Cell Bio.</i> 108 :277-297, Rockefeller University Press (1989)

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	AR	<u>16</u>	Gross, H.J., <i>et al.</i> , "A Highly Sensitive Fluorometric Assay for Sialyltransferase Activity Using CMP-9-fluoresceinyl-NeuAc as Donor," <i>Analyt. Biochem.</i> 186:127-134, Academic Press, Inc. (1990)
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*David S. [Signature]*

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07	AR	17	Haga, Y., <i>et al.</i> , "Dose-Related Comparison of Antibody-Dependent Cellular Cytotoxicity with Chimeric and Native Murine Monoclonal Antibody 17-1A," <i>Int. J. Pancreatol.</i> 15:43-50, Humana Press Inc. (1994)
07	AS	17	Harpaz, N., and Schachter, H., "Control of Glycoprotein Synthesis," <i>J. Biol. Chem.</i> 255:4894-4902, American Society for Biochemistry and Molecular Biology, Inc. (1980)
07	AT	17	Harvey, D.J., "Quantitative Aspects of the Matrix-assisted Laser Desorption Mass Spectrometry of Complex Oligosaccharides," <i>Rapid Commun. Mass Spectrom.</i> 7:614-619, John Wiley & Sons, Ltd. (1993)

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David Guzman

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3/22/06

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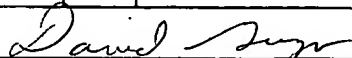
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	AR	<u>18</u>	Hirschberg, C.B., and Snider, M.D., "Topography of Glycosylation in the Rough Endoplasmic Reticulum and Golgi Apparatus," <i>Ann. Rev. Biochem.</i> 56:63-87, Annual Reviews Inc. (1987)
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	AT	<u>18</u>	Jefferis, R., <i>et al.</i> , "Recognition sites on human IgG for Fcγ receptors: the role of glycosylation," <i>Immunology Letters</i> 44:111-117, Elsevier Science B.V. (1995)

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>19</u>	Jenkins, N., and Curling, E.M.A., "Glycosylation of recombinant proteins: Problems and prospects," <i>Enzyme Microb. Technol.</i> 16:354-364, Butterworth-Heinemann (1994)
	AS	<u>19</u>	Jenkins, N., <i>et al.</i> , "Getting the glycosylation right: Implications for the biotechnology industry," <i>Nat. Biotechnol.</i> 14:975-981, Nature Pub. Co. (1996)
	AT	<u>19</u>	Köhler, G., and Milstein, C., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> 256:495-497, Nature Pub. Co. (1975)

EXAMINER

*David S. Suss*

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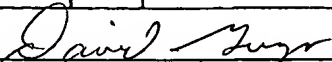
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>20</u>	Kagawa, Y., <i>et al.</i> , "Comparative Study of the Asparagine-linked Sugar Chains of Natural Human Interferon- $\beta$ 1 and Recombinant Human Interferon- $\beta$ 1 Produced by Three Different Mammalian Cells," <i>J. Biol. Chem.</i> 263:17508-17515, American Society for Biochemistry and Molecular Biology, Inc. (1988)
	AS	<u>20</u>	Küster, B., <i>et al.</i> , "Sequencing of N-Linked Oligosaccharides Directly from Protein Gels: In-Gel Deglycosylation Followed by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry and Normal-Phase High-Performance Liquid Chromatography," <i>Analyt. Biochem.</i> 250:82-101, Academic Press (1997)
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3/21/04

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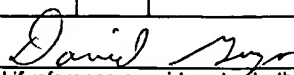
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	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>21</u>	Kolber, M.A., <i>et al.</i> , "Measurement of cytotoxicity by target cell release and retention of the fluorescent dye bis-carboxyethyl-carboxyfluorescein (BCECF)," <i>J. Immunol. Meth.</i> 108:255-264, Elsevier Science Publishers B.V. (1988)
	AS	<u>21</u>	Kornfeld, R., and Kornfeld, S., "Assembly of Asparagine-Linked Oligosaccharides," <i>Ann. Rev. Biochem.</i> 54:631-664, Annual Reviews Inc. (1985)
	AT	<u>21</u>	Kozbor, D., and Roder, J.C., "The production of monoclonal antibodies from human lymphocytes," <i>Immunol. Today</i> 4:72-79, Elsevier Biomedical Press (1983)

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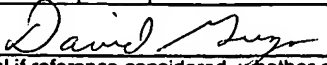
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>22</u>	Lifely, M.R., <i>et al.</i> , "Glycosylation and biological activity of CAMPATH-1H expressed in different cell lines and grown under different culture conditions," <i>Glycobiology</i> 5:813-822, Oxford University Press (1995)
	AS	<u>22</u>	Lis, H., and Sharon, N., "Protein glycosylation: Structural and functional aspects," <i>Eur. J. Biochem.</i> 218:1-27, FEBS (1993)
	AT	<u>22</u>	Lloyd, K.O., <i>et al.</i> , "Comparison of O-Linked Carbohydrate Chains in MUC-1 Mucin from Normal Breast Epithelial Cell Lines and Breast Carcinoma Cell Lines," <i>J. Biol. Chem.</i> 271:33325-33334, American Society for Biochemistry and Molecular Biology, Inc. (1996)

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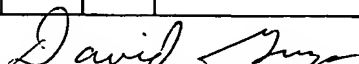
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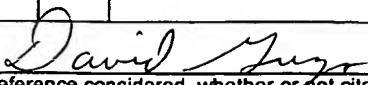
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	AR	<u>24</u>	Marshall, E., "Gene therapy's growing pains," <i>Science</i> 269:1050-1055, American Association for the Advancement of Science (1995)
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	AT	<u>24</u>	Misaizu, T., <i>et al.</i> , "Role of Antennary Structure of N-Linked Sugar Chains in Renal Handling of Recombinant Human Erythropoietin," <i>Blood</i> 86:4097-4104, The American Society of Hematology (1995)

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<i>AT</i>	AT	<u>25</u>	Morrison, S.L., <i>et al.</i> , "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci.</i> 81:6851-6855, National Academy of Sciences (1984)

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*David [Signature]*

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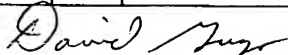
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	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	<u>26</u>	Narasimhan, S., "Control of Glycoprotein Synthesis," <i>J. Biol. Chem.</i> 257:10235-10242, American Society for Biochemistry and Molecular Biology, Inc. (1982)
	AS	<u>26</u>	Narasimhan, S., <i>et al.</i> , "Control of Glycoprotein Synthesis. Bovine Milk UDPgalactose: N-Acetylglucosamine $\beta$ -4-Galactosyltransferase Catalyzes the Preferential Transfer of Galactose to the GlcNAc $\beta$ 1,2Man $\alpha$ 1,3- Branch of both Bisected and Nonbisected Complex Biantennary Asparagine-Linked Oligosaccharides," <i>Biochem.</i> 24:1694-1700, American Chemical Society (1985)
	AT	<u>26</u>	Naven, T.J.P., and Harvey, D.J., "Effect of Structure on the Signal Strength of Oligosaccharides in Matrix-assisted Laser Desorption/Ionization Mass Spectrometry on Time-of-flight and Magnetic Sector Instruments," <i>Rapid Commun. Mass Spectrom.</i> 10:1361-1366, John Wiley & Sons, Ltd. (1996)

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3/27/04

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FORM PTO-1449

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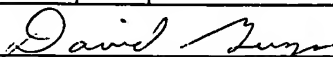
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	AR	<u>27</u>	Neuberger, M.S., <i>et al.</i> , "Recombinant antibodies possessing novel effector functions," <i>Nature</i> 312:604-608, Nature Pub. Co. (1984)
	AS	<u>27</u>	Nilsson, T., <i>et al.</i> , "Kin recognition between <i>medial</i> Golgi enzymes in HeLa cells," <i>EMBO J.</i> 13:562-574, Oxford University Press (1994)
	AT	<u>27</u>	Nilsson, T., <i>et al.</i> , "Overlapping Distribution of Two Glycotransferases in the Golgi Apparatus of HeLa Cells," <i>J. Cell Biol.</i> 120:5-13, Rockefeller University Press (1993)

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<i>OL</i>	AR	<u>28</u>	Nilsson, T., <i>et al.</i> , "The role of the membrane-spanning domain and stalk region of <i>N</i> -acetylglucosaminyltransferase I in retention, kin recognition and structural maintenance of the Golgi apparatus in HeLa cells," <i>J. Cell Sci.</i> 109:1975-1989, The Company of Biologists Limited (1996)
<i>21</i>	AS	<u>28</u>	Nishikawa, A., <i>et al.</i> , "Purification, cDNA Cloning, and Expression of UDP- <i>N</i> -acetylglucosamine:β-D-mannoside β-1,4 <i>N</i> -Acetylglucosaminyltransferase III from Rat Kidney," <i>J. Biol. Chem.</i> 267:18199-18204, American Society for Biochemistry and Molecular Biology, Inc. (1992)
<i>OL</i>	AT	<u>28</u>	Ohno, M., <i>et al.</i> , "Enzymatic Basis of Sugar Structures of α-Fetoprotein in Hepatoma and Hepatoblastoma Cell Lines: Correlation with Activities of α1-6 Fucosyltransferase and <i>N</i> -Acetylglucosaminyltransferases III and V," <i>Int. J. Cancer</i> 51:315-317, Wiley-Liss, Inc. (1992)

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*David M. Suggs*

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<i>JL</i>	AR	<u>29</u>	Orkin, S.H. and Motulsky, A.G., "Report and recommendations of the panel to assess the NIH investment in research on gene therapy," December 7, 1995, available at < <a href="http://www.nih.gov/news/panelrep.html">http://www.nih.gov/news/panelrep.html</a> >
<i>JA</i>	AS	<u>29</u>	Pâquet, M.R., <i>et al.</i> , "Branch Specificity of Purified Rat Liver Golgi UDP-galactose:N-Acetylglucosamine $\beta$ -1,4-Galactosyltransferase," <i>J. Biol. Chem.</i> 259:4716-4721, American Society for Biochemistry and Molecular Biology, Inc. (1984)
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*David J. [Signature]*

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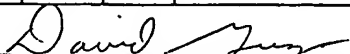
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02	AR	<u>30</u>	Palcic, M.M., <i>et al.</i> , "Regulation of N-Acetylglucosaminyltransferase V Activity," <i>J. Biol. Chem.</i> 265:6759-6769, American Society for Biochemistry and Molecular Biology, Inc. (1990)
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<i>AR</i>	AR	<u>31</u>	Rabouille, C., <i>et al.</i> , "Mapping the distribution of Golgi enzymes involved in the construction of complex oligosaccharides," <i>J. Cell Sci.</i> 108:1617-1627, The Company of Biologists Limited (1995)
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<i>AT</i>	AT	<u>31</u>	Rearick, J.I., <i>et al.</i> , "Enzymatic Characterization of $\beta$ -Galactoside $\alpha$ 2 3 Sialyltransferase from Porcine Submaxillary Gland," <i>J. Biol. Chem.</i> 254:4444-4451, American Society for Biochemistry and Molecular Biology, Inc. (1979)

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*David M...*

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	AR	<u>32</u>	Reff, M.E., <i>et al.</i> , "Depletion of B Cells In Vivo by a Chimeric Mouse Human Monoclonal Antibody to CD20," <i>Blood</i> 83:435-445, American Society of Hematology (1994)
	AS	<u>32</u>	Riechmann, L., <i>et al.</i> , "Reshaping human antibodies for therapy," <i>Nature</i> 332:323-327, Nature Pub. Co. (1988)
	AT	<u>32</u>	Robinson, R.R., <i>et al.</i> , "Chimeric mouse-human anti-carcinoma antibodies that mediate different anti-tumor cell biological activities," <i>Hum. Antibod. Hybridomas</i> 2:84-93, Butterworth-Heinemann (1991)

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>33</u>	Rogers, S.G., <i>et al.</i> , "Gene Transfer in Plants: Production of Transformed Plants Using Ti Plasmid Vectors," in <i>Methods for Plant Molecular Biology</i> , Weissbach, A., and Weissbach, H., eds., Academic Press, Inc., San Diego, CA, pp.423-463 (1988)
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	AT	<u>33</u>	Rothman, J.E., and Orci, L., "Molecular dissection of the secretory pathway," <i>Nature</i> 355:409-415, Nature Pub. Co. (1992)

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01	AR	34	Rothman, J.E., and Wieland, F.T., "Protein Sorting by Transport Vesicles," <i>Science</i> 272:227-234, American Association for the Advancement of Science (1996)
01	AS	34	Rothstein, R., "Cloning in Yeast," in <i>DNA Cloning Column II: a practical approach</i> , Glover, D.M., ed., IRL Press, Washington, DC, pp.45-66 (1985)
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<i>ST</i>	AR	<u>35</u>	Sambanis, A., <i>et al.</i> , "A Model of Secretory Protein Trafficking in Recombinant AtT-20 Cells," <i>Biotech. And Biotechnol. Bioeng.</i> 38:280-295, John Wiley & Sons, Inc. (1991)
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<i>ST</i>	AT	<u>35</u>	Sburlati, A., <i>et al.</i> , "Novel glycoform of recombinant human IFN- $\beta$ by overexpression of N-acetyl glucosaminyltransferase II," <i>Glycoconj. J.</i> 14:781, Kluwer Academic Publishing (1997)

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*David Muga*

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<i>gc</i>	AR	<u>36</u>	Sburlati, A.R., <i>et al.</i> , "Synthesis of Bisected Glycoforms of Recombinant IFN- $\beta$ by Overexpression of $\beta$ -1,4-N-Acetylglucosaminyltransferase III in Chinese Hamster Ovary Cells," <i>Biotechnol. Prog.</i> 14:189-192, American Chemical Society (Mar-Apr 1998)
<i>01</i>	AS	<u>36</u>	Schachter, H., "Biosynthetic controls that determine the branching and microheterogeneity of protein-bound oligosaccharides," <i>Biochem. Cell. Biol.</i> 64:163-181, National Research Council of Canada (1986)
<i>02</i>	AT	<u>36</u>	Shao, M-C., and Wold, F., "The Effect of the Protein Matrix on Glycan Processing in Glycoproteins," <i>J. Biol. Chem.</i> 263:5771-5774, American Society for Biochemistry and Molecular Biology, Inc. (1988)

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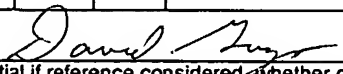
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	AR	<u>38</u>	Smith, G.E., <i>et al.</i> , "Molecular Engineering of the <i>Autographa californica</i> Nuclear Polyhedrosis Virus Genome: Deletion Mutations Within the Polyhedrin Gene," <i>J. Virol.</i> 46:584-593, American Society for Microbiology (1983)
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	AT	<u>38</u>	Struhl, K., "Subcloning of DNA Fragments," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F., <i>et al.</i> , eds., John Wiley and Sons, New York, NY, pp.3.16.1-3.16.11 (1998)

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FORM PTO-1449

**INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.  
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10/633,697FIRST NAMED INVENTOR  
Umaña *et al.*FILING DATE  
August 5, 2003ART UNIT  
1636**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
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	AN						Yes No
	AO						Yes No
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

AR	39	Surfus, J.E., <i>et al.</i> , "Anti-Renal-Cell Carcinoma Chimeric Antibody G250 Facilitates Antibody-Dependent Cellular Cytotoxicity with In Vitro and In Vivo Interleukin-2-Activated Effectors," <i>J. Immunother. Emphasis Tumor Immunol.</i> 19:184-191, Lippincott-Raven Publishers (1996)
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*David [Signature]*

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27	AR	40	Takeda, S-i. <i>et al.</i> , "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences," <i>Nature</i> 314:452-454, Nature Pub. Co. (1985)
27	AS	40	Tanemura, M., <i>et al.</i> , "Reduction of the Major Swine Xenoantigen GAL $\alpha$ (1,3)GAL by Transfection of N-Acetylglucosaminyl Transferase III (GnT-III) Gene," <i>Transplantation Proceedings</i> 29:891-892 (1997)
27	AT	40	Taniguchi, N., <i>et al.</i> , "Glycosyltransferase Assays Using Pyridylaminated Acceptors: N-Acetylglucosaminyltransferase III, IV, and V," <i>Meth. Enzymol.</i> 179:397-408, Academic Press, Inc. (1989)

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*Daniel S. Saper*

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21	AR	41	Trill, J.J., <i>et al.</i> , "Production of monoclonal antibodies in COS and CHO cells," <i>Curr. Opin. Biotechnol.</i> 6:553-560, Current Biology Ltd. (1995)
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*David Muzo*

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*David M. ...*

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*3/27/00*

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*David J. J...*

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97	AR	44	Yamaguchi, N., and Fukuda, M.N., "Golgi Retention Mechanism of $\beta$ -1,4-Galactosyltransferase," <i>J. Biol. Chem.</i> 270:12170-12176, American Society for Biochemistry and Molecular Biology, Inc. (1995)
57	AS	44	Yoshimura, M., <i>et al.</i> , "Suppression of lung metastasis of B16 mouse melanoma by <i>N</i> -acetylglucosaminyltransferase III gene transfection," <i>Proc. Natl. Acad. Sci.</i> 92:8754-8758, National Academy of Sciences (1995)
02	AT	44	Yu Ip, C.C., <i>et al.</i> , "Structural Characterization of the <i>N</i> -Glycans of a Humanized Anti-CD18 Murine Immunoglobulin G," <i>Arch. Biochem. Biophys.</i> 308:387-399, Academic Press, Inc. (1994)

EXAMINER

*David M. Meyer*

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1975.0010005/TJS

APPLICATION NO.

10/633,697

FIRST NAMED INVENTOR

Umaña *et al.*

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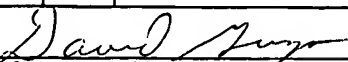
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

81	AR	45	Co-pending U.S. Application No. 10/633,699, inventors Umaña <i>et al.</i> , filed August 5, 2003 (NOT PUBLISHED)				
	AS	45	International Search Report for International Application No. PCT/US99/08711, European Office, Netherlands, mailed on August 17, 1999				
	AT	45	Search Report of Subject Search Conducted by Swiss Federal Institute of Intellectual Property Concerning WO 99/54342 (published international application corresponding to U.S. Appl. No. 08/294,548) dated July 18, 2001				

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\* Not prior art documents.

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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

77	AR	46	English language abstract of Japanese Patent No. JP 09084582 A, Derwent WPI Accession No. 1997-253000 (March 1997)				
87	AS	46	English language abstract of German Patent No. DE 19546680 A1, Derwent WPI Accession No. 1997-321072 (June 1997)				
97	AT	46	English language abstract of International Patent Publication No. WO 00/52135 A2, Derwent WPI Accession No. 2000-572178 (September 2000)				

EXAMINER *David J. [Signature]*

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1975.0010005/TJS

APPLICATION NO.

10/633,697

FIRST NAMED INVENTOR

Umaña et al.

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*David Muz*

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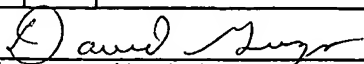
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	AR	<u>48</u>	English language abstract of International Patent Publication No. WO 94/12646 A1, Derwent WPI Accession No. 1994-200274 (1994)
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07	AR	49	English language abstract of International Patent Publication No. WO 97/34632 A1, Derwent WPI Accession No. 1997-479995 (September 1997)
6	AS	49	English language abstract of United States Patent No. 5,714,350 A, Derwent WPI Accession No. 1998-129858 (February 1998)
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